



TO: Pam Leslie, General Counsel
FROM: Cecil T. Bragg, Jr., C.P.A. *[Signature]*
Inspector General
COPIES: CIO Hill, BSSO Manager Bradford
SUBJECT: Clint Curtis Diskette and EIMS CD Comparison

Executive Summary

This Advisory Memorandum is in response to the October 25, 2002 request by Assistant General Counsel Sanford. He requested our office compare the contents of the diskette delivered by Clint Curtis (hereafter referred to as the Curtis Diskette) to the External Image Management System version 1.3 on CD (hereafter referred to as the EIMS CD) as developed by the Department's Specialized Technology Section, to determine similarities.

We concluded that the Curtis Diskette and the EIMS CD are not the same because:

- Only two of 168 files showed any similarity.
- The file names, layout, field names and properties are different.
- The EIMS CD is a self-extracting, fully operational program. The Curtis Diskette does not contain an installation program nor is it capable of being installed.
- The EIMS CD application transfers files via FTP while the Curtis Diskette provides for creating a file to disk, a file to CD, a file to E-mail and a file to FTP.

Our comparison showed there are significant differences between the Curtis Diskette and the EIMS CD.



Introduction and Background

On April 1, 2002, Clint Curtis, a former Yang Enterprise, Inc., employee, delivered a diskette labeled "Batch Import Alpha" to the Office of Inspector General. Clint Curtis, who worked on the Importer/Exporter Module while an employee of Yang Enterprises, Inc., stated the contents of this diskette are the property of the Department and contain the Electronic Data Management System Importer/Exporter Module. He further stated that this Module was delivered by Yang Enterprises, Inc., and originated from Mike Cohen or Ralph Thompson of Yang Enterprises, Inc.

At the request of the Department's General Counsel staff, the Curtis Diskette was sealed and locked in the IT Audit area in April 2002.

Purpose, Scope and Methodology

The purpose of this engagement was to provide computer forensics services to the Office of General Counsel¹.

The objective of this engagement was to determine differences and similarities between the contents of the Curtis Diskette and EIMS CD.

The scope of this engagement was limited to examining the physical properties of the Curtis Diskette (date the files were last modified, file sizes, file names) and comparing those properties to the contents of the EIMS CD.

Our methodology included:

- Removing the Curtis Diskette from its sealed envelope and copying it;
- Reviewing the EIMS CD using Visual Basic and MS Windows Explorer;
- Comparing of the files on the Curtis Diskette to the EIMS CD; and
- Installing the EIMS application to retrieve compressed files for comparison.

¹ Computer forensic services are not auditing services as defined in the Standards for the Professional Practice of Internal Auditing published by the Institute of Internal Auditors.



Findings

Our analysis showed the Curtis Diskette and the EIMS CD are not the same and contain significant differences.

- Only two of 168 files showed any similarity. The files below are from the Binary Works Zip application.

File Name	Date	Location Identifier	Directory	Size (kb)	Time
BW5ZP36R.DEP	12/16/1999	Curtis Diskette		725	6:19:46 PM
BW5ZP36R.OCX	12/16/1999	EIMS CD		1,290	6:19:46 PM
BW5ZP36R.oc_	12/16/1999	Curtis Diskette		240,126	6:18:54 PM
BW5ZP36R.OCX	12/16/1999	EIMS CD		223,744	6:18:54 PM

A listing of all files found on both the Curtis diskette and EIMS CD are shown in Appendix A.

- Comparison of the Visual Basic forms/screens shows the file names, layout, field names and properties to be different (see Appendix B).
- The EIMS CD is a self-extracting, fully operational program. The Curtis Diskette does not contain an installation program nor is it capable of being installed.
- The EIMS CD application transfers files via FTP while the Curtis Diskette provides for creating a file to disk, a file to CD, a file to E-mail and a file to FTP.

We hope that the above information has been beneficial to you and the Department. If you have any questions or concerns, please call Craig Brown at 410-5800 x 152.

Appendix A – File listing of the Curtis Diskette and the EIMS CD.
Appendix B – Exporter screens and 'file not sent error' screens from the Curtis Diskette
and from the EIMS CD.

Appendices





Appendix A – File listing of Curtis Diskette and the EIMS CD

1. The contents of the Curtis Diskette were reviewed and it was noted that it contained two folders and a zipped file:
 1. Contractor folder,
 2. 001 BatchStorage folder, and
 3. BW Zip Compress OCX 3.0.6 - VB5(SP3) full version-single user license.zip.
- The two folders, Contractor and 001 BatchStorage, contained a number of Visual Basic forms/screens, three Visual Basic Project files, and a number of icons. No executable files were contained in either of these two folders.

The BW Zip Compress OCX 3.0.6 - VB5(SP3) full version-single user license.zip file contained a number of text and Hypertext Markup Language files (HTML) and two zipped folders: OCX Install.zip folder and sample project.zip. The OCX Install.zip folder contains an application called the Binary Works OCX compression application (V 3.0.6). Binary Works is an application that compresses and creates self-extracting files. The sample project.zip folder contains a sample Visual Basic project file, not related to the Exporter/Importer application.

2. The EIMS CD contents were reviewed and it contained the following files:
 1. BatchExporter.EXE
 2. BatchExporter.W02
 3. BatchExporter.W03
 4. BatchExporter.W04
 5. BatchExporter.W05

None of the above files could be viewed without further detailed analysis, which is beyond the scope of this engagement.

3. The files contained on the Curtis Diskette and the EIMS CD are listed below. The listing is in alphabetical file name order.

Directory Name	Date	Location Identifier	Directory Size (kb)	Time
11082002.Log	1/8/2002	Computer Install from	126	7:39:54 AM
ACTVITL.CO	1/17/1996	Curtis Diskette	10,781	9:37:00 AM
autorun.inf	10/19/2001	EIMS CD	37	10:55:04 AM
Batch Exporter.lnk	11/8/2002	Computer Install from	470	9:39:10 AM
Batch.vbp	6/22/2000	Curtis Diskette	1,606	1:25:52 PM
Batch.vbw	6/22/2000	Curtis Diskette	385	1:25:50 PM
BatchExporter.EXE	10/22/2001	EIMS CD	1,454,080	5:27:50 AM
BatchExporter.W02	10/22/2001	EIMS CD	1,454,080	5:27:50 AM

Directory Name	Date	Location Identifier	Directory Size (kb)	Time
BatchExporter.W03	10/22/2001	EMIS CD	1,454,080	5:27:50 AM
BatchExporter.W04	10/22/2001	EMIS CD	1,454,080	5:27:50 AM
BatchExporter.W05	10/22/2001	EMIS CD	787,404	5:27:50 AM
BOOK03.JCO	4/28/1993	Curtis Diskette	766	12:00:00 AM
BOOK06.JCO	7/21/1995	Curtis Diskette	766	12:00:00 AM
bw5zp36r.DE	12/16/1999	Curtis Diskette	725	6:19:46 PM
BW5ZP36R.DEP	12/16/1999	Computer Install from EMIS from CD	1,290	6:19:46 PM
bw5zp36r.ocx	12/16/1999	Curtis Diskette	240,126	6:18:54 PM
BW5ZP36R.OCX	12/16/1999	Computer Install from EMIS from CD	223,744	6:18:54 PM
bw5zp36r.VB_	11/25/1999	Curtis Diskette	222	6:32:30 PM
CDROM01.JCO	1/11/1996	Curtis Diskette	1,078	11:00:00 PM
CDROM01.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
CBL_Export.hlp	10/22/2001	Computer Install from EMIS CD	1,489,457	9:56:00 AM
CLOSE.JCO	9/17/1996	Curtis Diskette	318	12:00:00 AM
CLOSE.JCO	9/17/1996	Curtis Diskette	318	1:00:00 AM
closed.bmp	7/21/1995	Computer Install from EMIS CD	222	6:14:38 PM
Contract.vbp	6/22/2000	Curtis Diskette	1,490	1:26:00 PM
Contract.vbw	6/22/2000	Curtis Diskette	582	1:25:58 PM
Contract.vbp	10/25/1999	Curtis Diskette	952	3:29:28 PM
Contract.vbw	10/25/1999	Curtis Diskette	193	4:08:24 PM
DAO350.DLT	5/16/2000	Computer Install from EMIS CD	618,496	8:22:02 AM
DISK14.JCO	1/11/1996	Curtis Diskette	1,078	11:00:00 PM
DISK14.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
diagobj.s.dll	6/18/1998	Computer Install from EMIS CD	81,920	12:00:00 AM
Document.htm	12/16/1999	Curtis Diskette	56,160	6:38:36 PM
DOTLOG05.GIF	12/23/1998	Curtis Diskette	29,829	1:55:16 PM
DOTLOG05.GIF	11/11/1999	Curtis Diskette	35,233	4:14:48 PM
edms.mdb	10/11/2001	Computer Install from EMIS CD	155,648	10:16:42 AM
ERASE02.JCO	4/28/1993	Curtis Diskette	766	12:00:00 AM
ERASE02.JCO	4/28/1993	Curtis Diskette	766	1:00:00 AM
Error codes.txt	2/3/1999	Curtis Diskette	300	7:22:48 PM
EXTITM.LJCO	11/17/1996	Curtis Diskette	1,078	9:37:00 AM
EYE.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
EYE.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
Files are on CD or Packaged for Electronic Shipment	12/21/1999	Curtis Diskette	141,312	11:37:42 AM
FixJack.vbp	5/11/2000	Curtis Diskette	678	8:00:44 AM
FOLDER04.JCO	1/11/1996	Curtis Diskette	1,078	11:00:00 PM
frmAbout.frm	6/2/2000	Curtis Diskette	4,582	1:49:18 PM



Directory Name	Date	Location Identifier	Directory Size (kb)	Time
frmAbout.frm	6/22/2000	Curtis Diskette	4,676	1:25:52 PM
frmAbout.frx	6/2/2000	Curtis Diskette	4,441	1:49:18 PM
frmAbout.frx	6/22/2000	Curtis Diskette	37,515	1:25:50 PM
frmAbout.log	6/16/1999	Curtis Diskette	203	2:46:58 PM
frmAbout.log	6/17/1999	Curtis Diskette	137	2:20:04 PM
frmCompression.frm	6/21/2000	Curtis Diskette	36,454	3:43:14 PM
frmContractor.frm	10/26/1999	Curtis Diskette	72,727	1:29:56 PM
frmContractor.frx	6/13/2000	Curtis Diskette	120,807	2:20:48 PM
frmContractor.frx	6/13/2000	Curtis Diskette	11,674	2:20:46 PM
frmContractor.log	10/25/1999	Curtis Diskette	685	2:32:10 PM
frmCopyMDB.frm	12/21/1999	Curtis Diskette	3,616	4:16:28 PM
FRMDIA1.FRM	6/2/2000	Curtis Diskette	1,343	1:49:18 PM
frmdial.frm	6/21/2000	Curtis Diskette	1,329	3:43:16 PM
frmDirectoryToCopyImag	5/23/2000	Curtis Diskette	8,393	2:08:36 PM
estTo.frm				
frmDirectoryToCopyImag	5/23/2000	Curtis Diskette	2,334	2:08:36 PM
estTo.frx				
frmFixJack.frm	5/11/2000	Curtis Diskette	4,751	8:00:44 AM
frmLogin.frm	6/2/2000	Curtis Diskette	4,544	2:41:28 PM
frmLogin.frx	6/2/2000	Curtis Diskette	2,064	2:41:28 PM
frmMessageBox.frm	6/2/2000	Curtis Diskette	4,413	2:51:30 PM
frmMessageBox.frx	6/2/2000	Curtis Diskette	1,275	2:51:30 PM
frmMultiDialog.frm	6/2/2000	Curtis Diskette	5,993	1:49:18 PM
frmMultiDialog.frx	6/2/2000	Curtis Diskette	1,868	1:49:18 PM
frmReferences.frm	6/2/2000	Curtis Diskette	6,882	2:41:30 PM
frmReferences.frx	6/2/2000	Curtis Diskette	1,640	2:41:30 PM
frmPreview.frm	6/21/2000	Curtis Diskette	21,513	3:43:22 PM
frmPreview.frx	6/21/2000	Curtis Diskette	7,178	3:43:20 PM
frmScheduler.frm	6/21/2000	Curtis Diskette	7,446	3:43:24 PM
frmScheduler.frx	6/21/2000	Curtis Diskette	1,556	3:43:22 PM
Genutils.bas	3/31/1999	Curtis Diskette	3,080	6:49:54 PM
GLOBAL.S.BAS	6/2/2000	Curtis Diskette	388	1:49:18 PM
GlobalTL.bas	6/2/2000	Curtis Diskette	188	8:36:20 PM
Image Exporter.exe	10/22/2001	Computer Install from EMIS CD	423,424	8:06:24 AM
INFO1.BAS	6/17/1999	Curtis Diskette	30	10:14:50 AM
INFO1.FRM	6/15/1999	Curtis Diskette	8,417	2:32:18 PM
INSTALL.LOG	11/8/2002	Computer Install from EMIS CD	8,123	9:38:22 AM
LABS.LCO	4/28/1993	Curtis Diskette	766	12:00:00 AM
leaf.bmp	7/21/1995	Computer Install from EMIS CD	222	6:14:38 PM
hawd12n.dll	2/19/2001	Computer Install from EMIS CD	28,672	11:32:08 AM
libmp12n.dll	2/19/2001	Computer Install from EMIS CD	36,864	11:32:14 AM



Directory Name	Date	Location Identifier	Directory Size (kb)	Time
lfcal12n.dll	2/19/2001	Computer Install from	35,840	11:32:20 AM
lrcmp12n.dll	2/19/2001	Computer Install from	314,368	11:49:04 AM
lrfax12n.dll	2/19/2001	Computer Install from	78,336	11:31:54 AM
lrfat12n.dll	2/19/2001	Computer Install from	155,648	11:36:14 AM
license.htm	5/8/1999	Curtis Diskette	8,609	9:27:14 PM
lndis12n.dll	2/19/2001	Computer Install from	279,040	11:28:42 AM
lndlg12n.dll	2/19/2001	Computer Install from	309,760	11:30:20 AM
lndlg12n.ocx	2/19/2001	Computer Install from	335,360	12:15:36 PM
lndfx12n.dll	2/19/2001	Computer Install from	227,840	11:29:30 AM
lndf12n.dll	2/19/2001	Computer Install from	121,344	11:28:58 AM
lndmg12n.dll	2/19/2001	Computer Install from	166,400	11:29:52 AM
lndkm12n.dll	2/19/2001	Computer Install from	406,016	11:28:16 AM
lndst12n.dll	2/19/2001	Computer Install from	66,048	11:30:56 AM
lndst12n.ocx	2/19/2001	Computer Install from	176,128	12:18:06 PM
lndocx12n.ocx	2/20/2001	Computer Install from	609,280	12:10:42 PM
lndmb12n.dll	2/19/2001	Computer Install from	51,712	11:31:00 AM
lndmb12n.ocx	2/19/2001	Computer Install from	137,216	12:17:02 PM
lndwn12n.dll	2/19/2001	Computer Install from	41,472	11:29:56 AM
lndvid12n.dll	2/19/2001	Computer Install from	169,472	11:37:40 AM
lndvkm12n.dll	2/19/2001	Computer Install from	205,824	11:47:44 AM
main1.frm	6/21/2000	Curtis Diskette	63,720	3:43:18 PM
main1.frx	6/21/2000	Curtis Diskette	5,916	3:43:16 PM
main1.log	6/15/1999	Curtis Diskette	138	2:32:18 PM
miscc20.jco	1/11/1996	Curtis Diskette	1,078	11:00:00 PM
msgbox01.jco	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
msjint35.dll	6/23/1997	Computer Install from	123,664	4:06:50 AM
msjter35.dll	6/23/1997	Computer Install from	24,848	4:06:50 AM
msrd2x35.dll	6/23/1997	Computer Install from	252,176	4:06:50 AM
msstkrp.dll	7/19/1997	Curtis Diskette	28,245	8:26:10 AM
move.cur	12/16/1997	Curtis Diskette	766	12:00:00 AM
nodrop.jco	3/13/1996	Curtis Diskette	766	5:15:40 PM



Directory Name	Date	Location Identifier	Directory Size (kb)	Time
NOTB14.JCO	4/28/1993	Curtis Diskette	766	12:00:00 AM
NOTB14.JCO	4/28/1993	Curtis Diskette	766	12:00:00 AM
ntsiClient2283dcb096	1/8/2002	Computer Install from EMIS CD	0	7:39:52 AM
ntsiClient4103dcb094	1/8/2002	Computer Install from EMIS CD	0	7:39:50 AM
NULOGGR.BMP	5/21/1999	Curtis Diskette	41,078	7:09:26 AM
NULOGGR.BMP	5/21/1999	Curtis Diskette	41,078	7:09:26 AM
NWLogRes.tmp	1/8/2002	Computer Install from EMIS CD	1	9:49:56 AM
OCX Install.zip	12/16/1999	Curtis Diskette	422,682	6:20:10 PM
Odbc32.dll	5/31/1998	Computer Install from EMIS CD	72,704	1:00:00 AM
open.bmp	7/21/1995	Computer Install from EMIS CD	222	6:14:38 PM
OUTLINE.JCO	2/16/1996	Curtis Diskette	766	1:13:40 PM
OUTLINE.JCO	2/16/1996	Curtis Diskette	766	1:13:40 PM
OUTLINE.JCO	2/16/1996	Curtis Diskette	766	1:13:40 PM
POINT01.JCO	1/11/1996	Curtis Diskette	1,078	11:00:00 PM
POOL.JCO	8/3/1996	Curtis Diskette	1,078	12:00:00 AM
PROCESS.JCO	12/23/1999	Curtis Diskette	766	10:19:20 AM
PROCESS2.JCO	12/23/1999	Curtis Diskette	766	10:26:16 AM
Pt1414.txt	1/8/2002	Computer Install from EMIS CD	2701	9:38:14 AM
Pt1414.txt.lnk	1/8/2002	Computer Install from EMIS CD	5931	9:39:10 AM
readme.txt	12/16/1999	Curtis Diskette	2,295	6:35:34 PM
REFRESH.JCO	9/16/1996	Curtis Diskette	318	11:00:00 PM
REFRESH.JCO	9/16/1996	Curtis Diskette	318	11:00:00 PM
RegistyStuff.bas	5/24/2000	Curtis Diskette	13,714	3:27:14 PM
tool.bmp	4/4/1997	Computer Install from EMIS CD	238	3:19:00 PM
sample project.zip	12/16/1999	Curtis Diskette	6,539	6:22:16 PM
SAMPLE.VBP	12/16/1999	Curtis Diskette	912	6:22:00 PM
SAMPLE.vbw	2/16/1999	Curtis Diskette	511	6:21:58 PM
SampleForm.frm	12/16/1999	Curtis Diskette	30,626	6:21:46 PM
SETUP.EXB	1/16/1997	Curtis Diskette	89,600	12:00:00 AM
SETUP.LST	12/16/1999	Curtis Diskette	6,500	6:19:50 PM
setup1.ex_	3/5/1997	Curtis Diskette	73,501	5:11:36 PM
shovel1.gif	12/23/1999	Curtis Diskette	1,723	12:49:46 PM
SHOVEL1.JCO	12/23/1999	Curtis Diskette	326	1:01:46 PM
SHOVEL2.JCO	12/13/1999	Curtis Diskette	766	4:51:20 PM
STUNST.EX_	1/16/1997	Curtis Diskette	37,850	12:00:00 AM
Support.txt	4/13/2001	Computer Install from EMIS CD	33	3:36:30 PM
TABLES.JCO	9/17/1996	Curtis Diskette	766	12:00:00 AM
Test.tif	6/28/2001	Computer Install from EMIS CD	760	11:38:36 AM



Directory Name	Date	Location Identifier	Directory Size (kb)	Time
TRFFC15.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC16.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC17.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC18A.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC18B.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC19A.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC19B.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
TRFFC20.JCO	1/12/1996	Curtis Diskette	1,078	12:00:00 AM
UNWISE.EXE	12/5/2000	Computer Install from EMIS CD	149,504	9:39:48 AM
Vb5db.dll	6/18/1998	Computer Install from EMIS CD	89,360	1:00:00 AM
VB5SKKit.dl_	1/16/1997	Curtis Diskette	16,457	12:00:00 AM
What is new.txt	12/16/1999	Curtis Diskette	14,811	6:41:28 PM
WIZ.JCO	8/29/1997	Curtis Diskette	766	11:04:44 AM
yel-1.gif	1/11/1999	Curtis Diskette	2,258	4:17:24 PM
Zip and Unzip options.txt	2/3/1999	Curtis Diskette	34,128	8:12:16 PM



Appendix B – Exporter screens and ‘file not sent error’ screens from the Curtis Diskette and from the FIMS CD.

Exporter from Curtis Diskette:

Exporter from FIMS CD:



Package has Not been sent

You have not sent this package. If you continue the package will be erased and not transferred. Do you want to continue?

Yes No

STOP

File Not Sent

"File not sent" message from the Curtis Diskette:

You still have a job that you have not sent. Would you like to send the file or delete it and start a new job.

If your FTP/E-Mail is not working properly at this time, you may wish to exit the program and try again later.

Send Delete Exit Program

"File not sent" message from the EIMS CD:

